Customer Care Solutions
RH-23 Series Transceivers

Disassembly and Assembly Instructions

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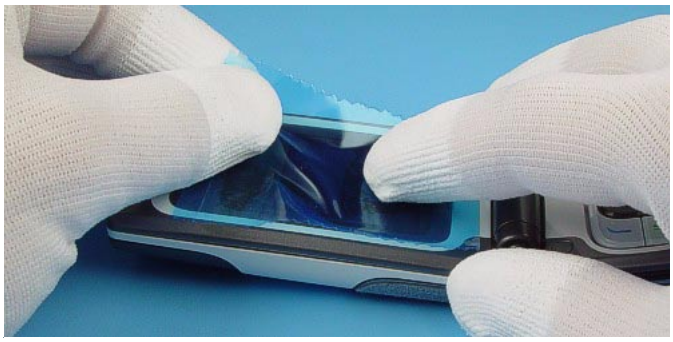
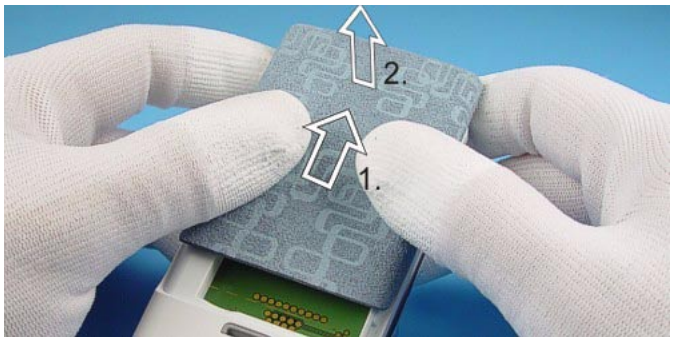
Upper Block Disassembly

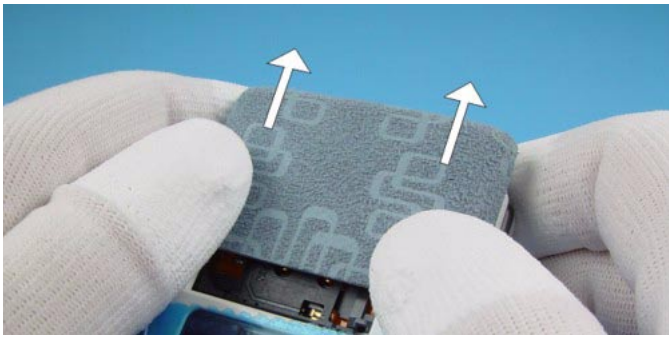
Note: It is recommended not to open Lower Block and Upper Block at the same time because of the sensitive Hinge mechanism. When only one Block is opened, Hinge mechanics will stay together.



Protect the window with a film to avoid dust and scratches.



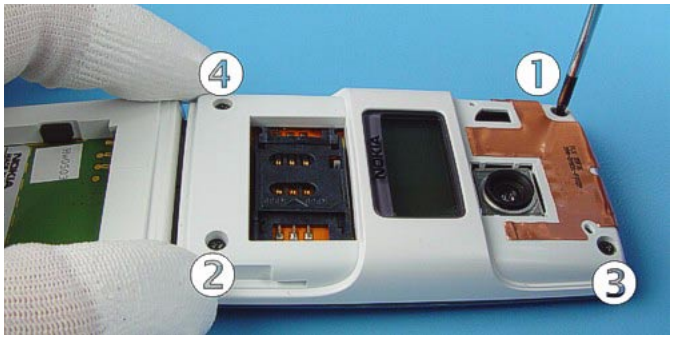
Remove the Battery Cover and be sure that the Battery is removed. Do not disassemble the device with inserted Battery!



Push the SIM Cover a bit forward and remove it.

Antenna Cover is attached with double sided adhesive tape. Use SRT-6 as a lever to detach this Cover.

Always use new B-Cover and new Antenna Cover, because Antenna Radiator will be destroyed during this removal procedure.



Unscrew the four Torx Plus® size 6 screws. **For assembly, the reverse order and a Torx Plus® driver with a torque of 28Ncm have to be used.**
Always use new gel screws for assembly!

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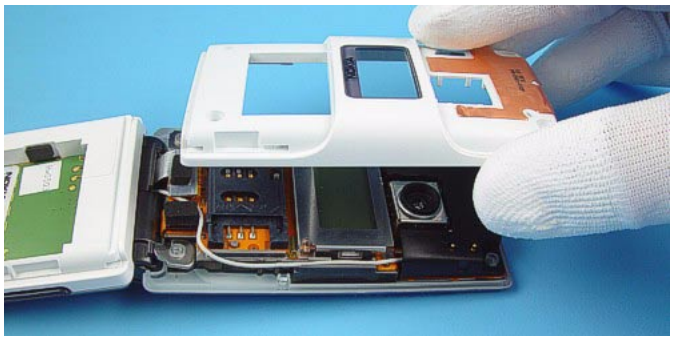
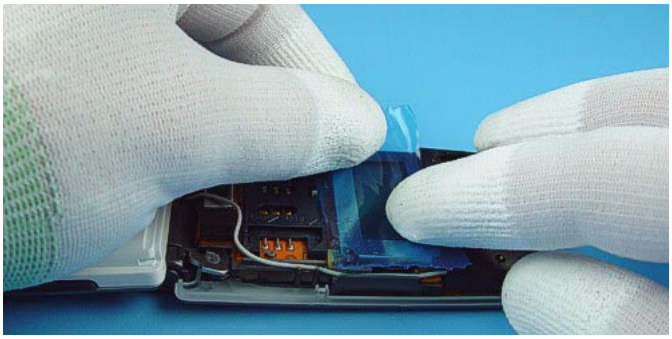
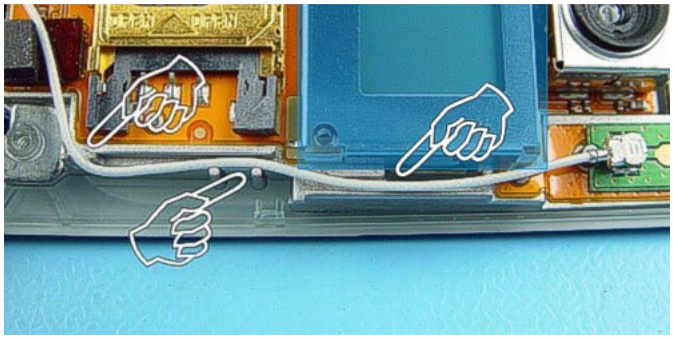
The A-Cover is attached with snaps to the B-Cover Upper. Release the clip with SRT-6 only.



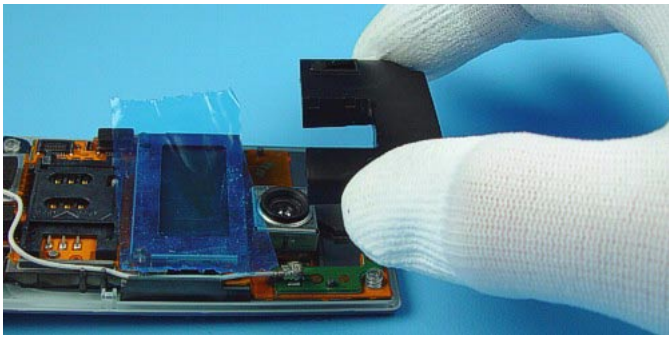
Remove the B-Cover Upper.



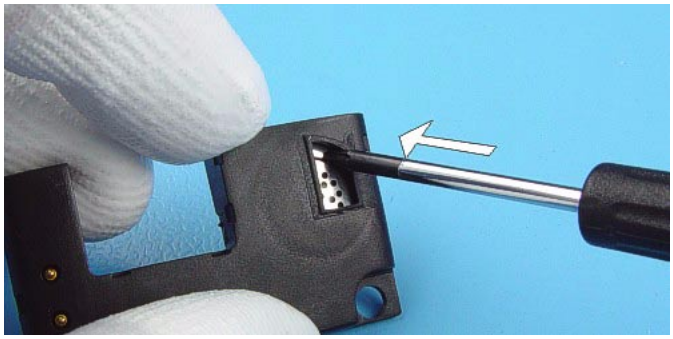
Protect the LCD with a film.



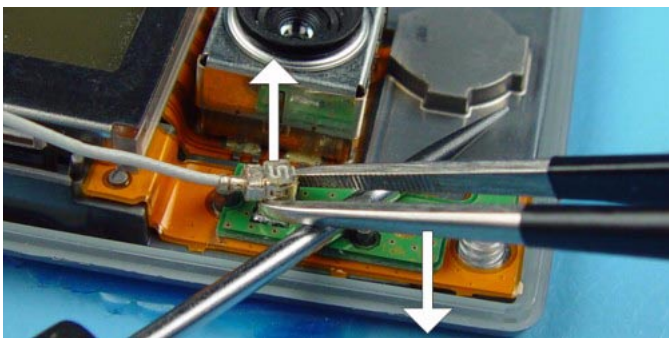
Note the exact guiding of the Coax Cable. This is very important for the assembly procedure.



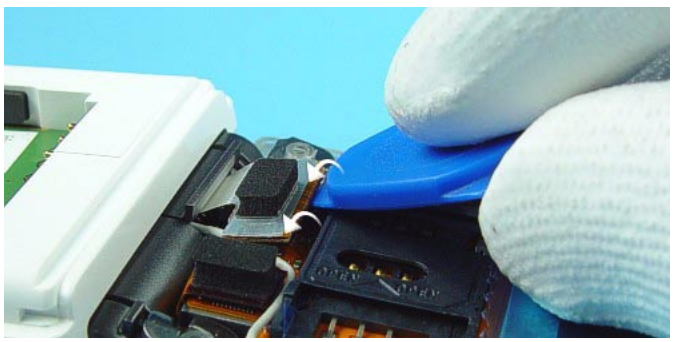
Remove the IHF Housing.



A screwdriver can be used to pull up the IHF-Speaker form its guidance.



Use tweezers as a lever to open the Coax Connector.



Open the connector with SRT-6 carefully.

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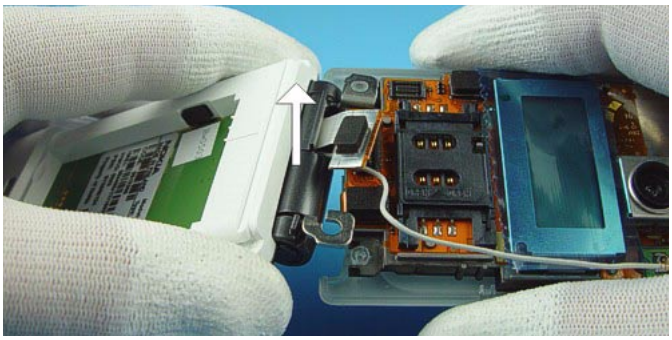
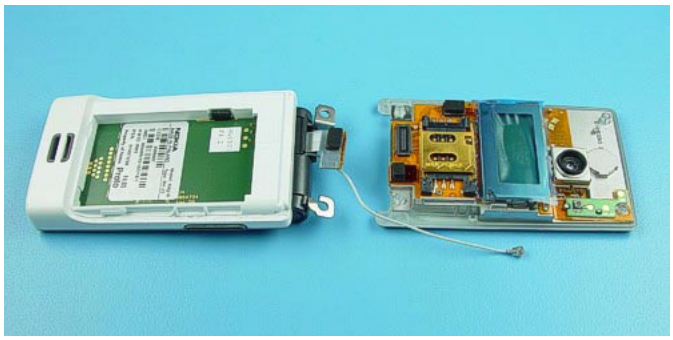
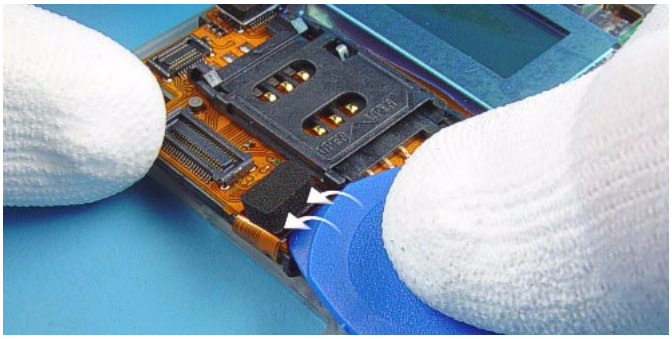
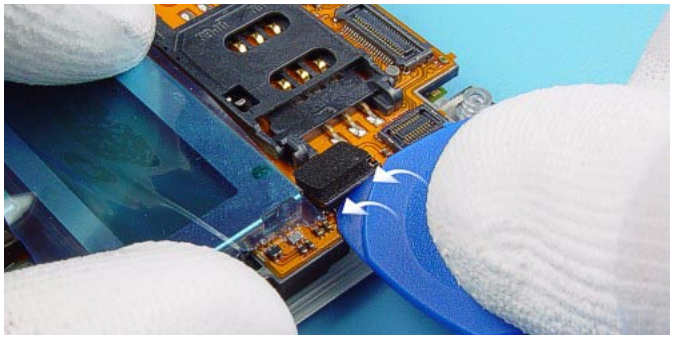




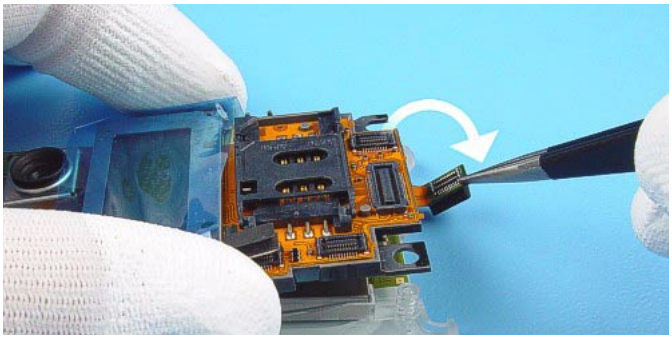
Separate the Lower Block from Upper Block.
Do not close the Hinge Mechanism.



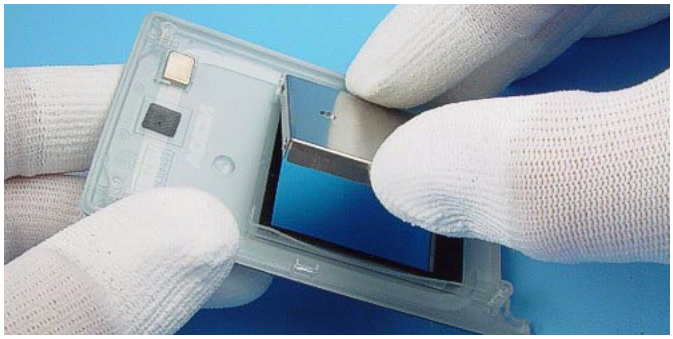
Open the Connector of color LCD carefully.



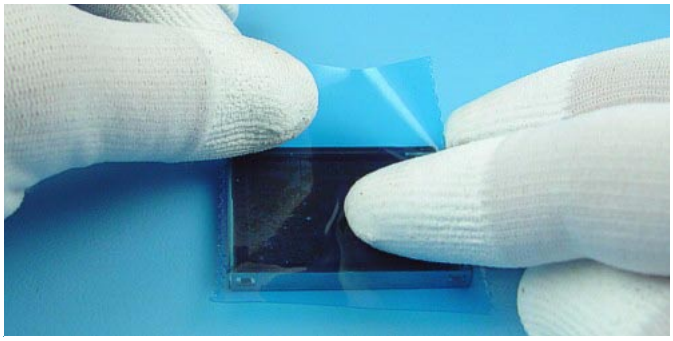
Open the Connector of b/w LCD carefully.



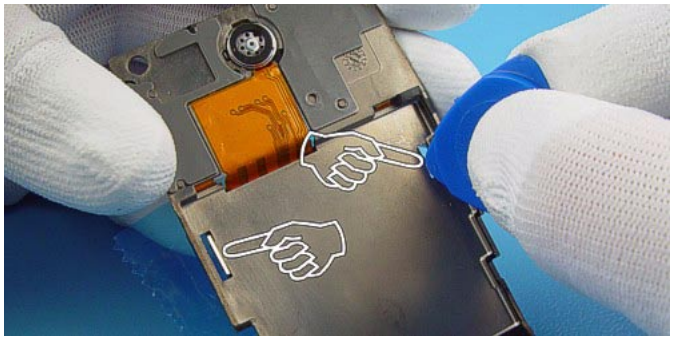
To avoid damage of the Connector move it away when removing Upper Block Flex Assy.



Bend A-Cover Upper Assy a bit when removing LCD. Protect the inner side of the Window with a film.



Also protect the color LCD with a film.



The black & white LCD is attached with two snaps to the Upper Frame. Release the snaps by using the SRT-6 and the LCD drops out.

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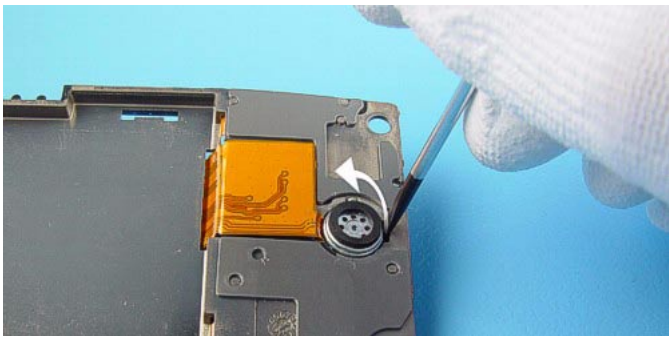
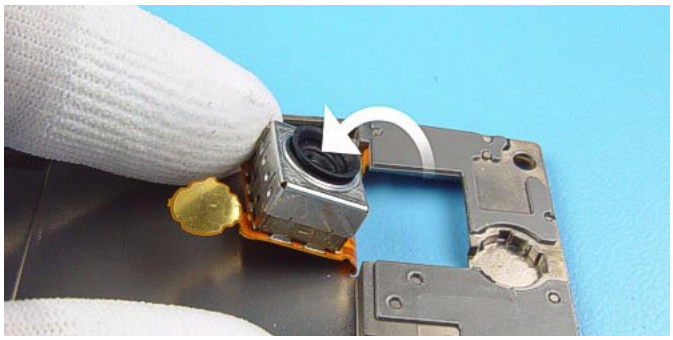
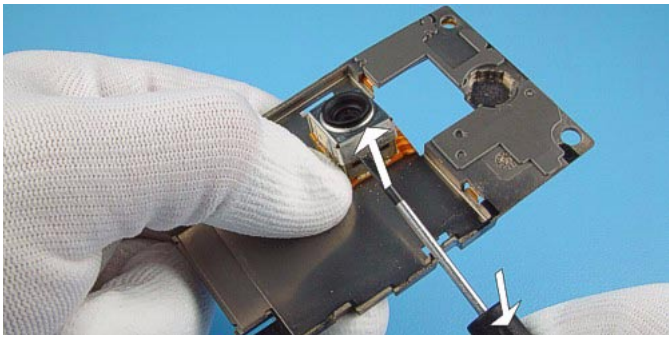


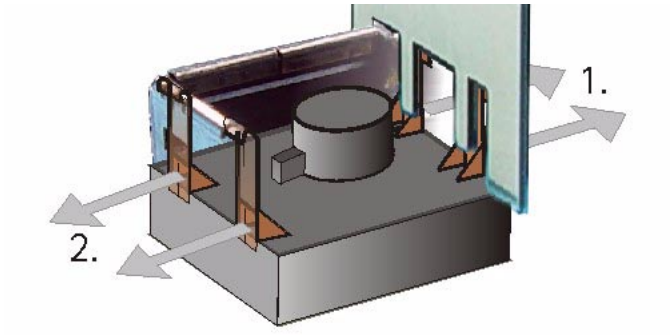
A slotted screwdriver can be used to remove the Microphone.



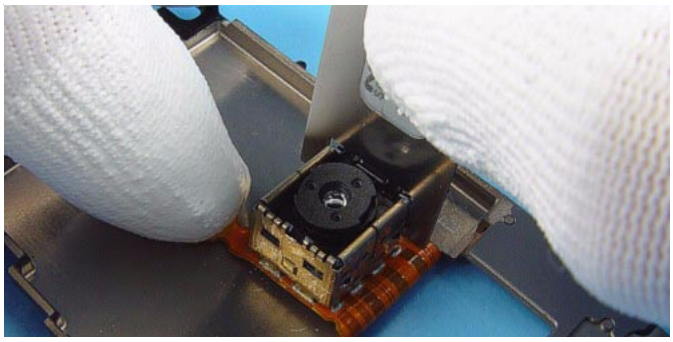
When change of the Upper Block Flex Assy is needed, remove the VGA Camera and assemble it to the new Upper Block Flex Assy.



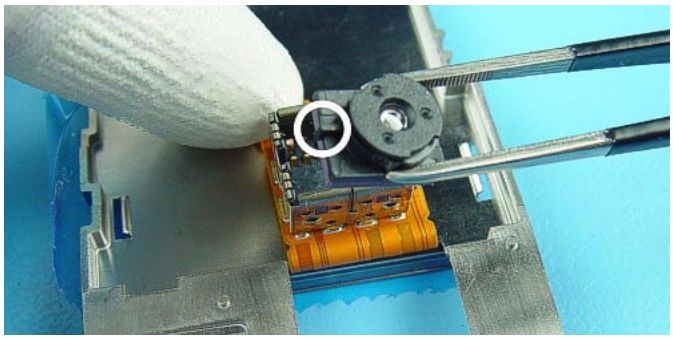
Keep hold of Flex Module as shown in the picture and use a slotted screwdriver as a lever the to open the Camera Shield.



Camera Module is attached with four snaps on to camera connector. Place SRT-10 as shown in the picture and unlock the snaps on booth sides. Note releasing order.



Camera Module comes up automatically when snaps are released.



Use tweezers to take the Camera Module away.

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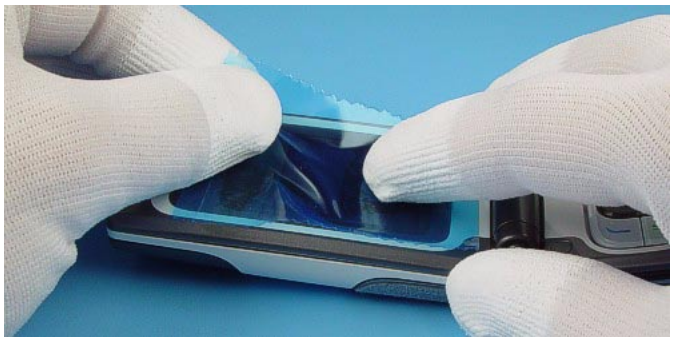
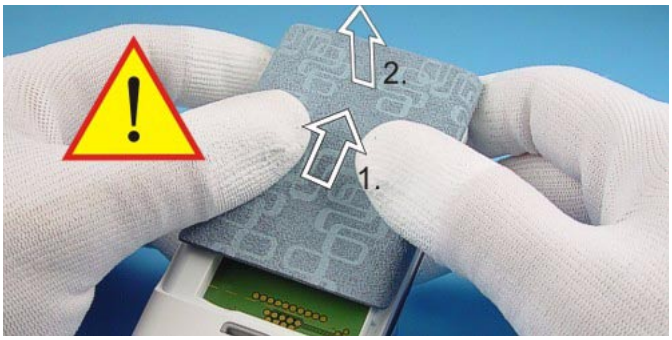
Lower Block Disassembly

Note: It is recommended not to open Lower Block and Upper Block at the same time because of the sensitive Hinge mechanism. When only one Block is opened, Hinge mechanics will stay together.

Protect the window with a film to avoid dust and scratches.



Also protect the front side of the Upper Block.



Remove the Battery cover and be sure that battery is removed. Do not disassemble the device with inserted battery!

Pick up Screw Caps with dental tool. Use always new Screw Caps when assembling.

Unscrew the four Torx Plus® size 6 screws. **For assembly, the reverse order and a Torx Plus® driver with a torque of 28Ncm have to be used.**
Always use new gel screws for assembly!

Hold the Upper Block as shown in the picture and remove the A-Cover Lower.

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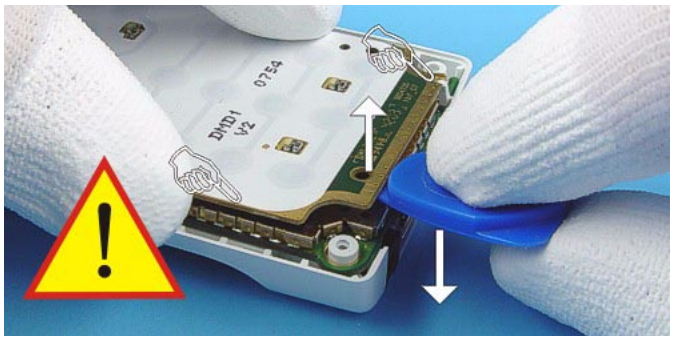
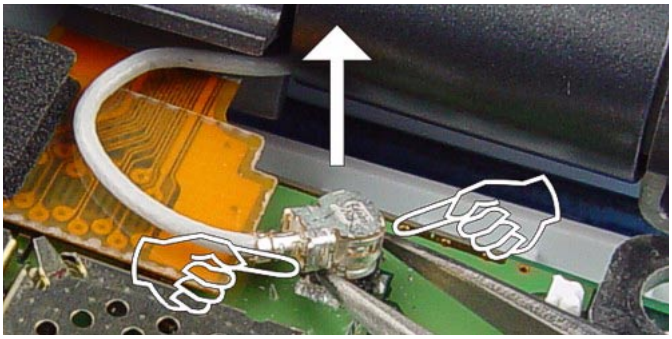
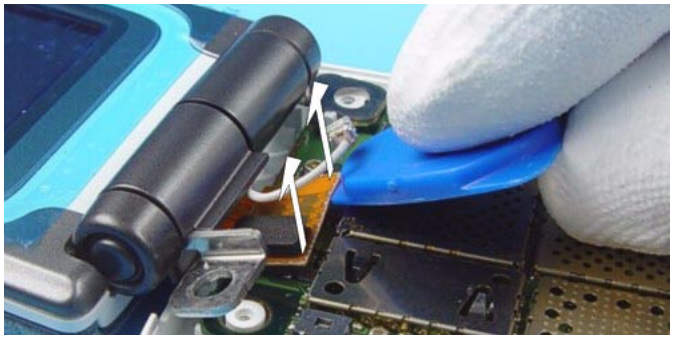
The Keymat can now be removed.



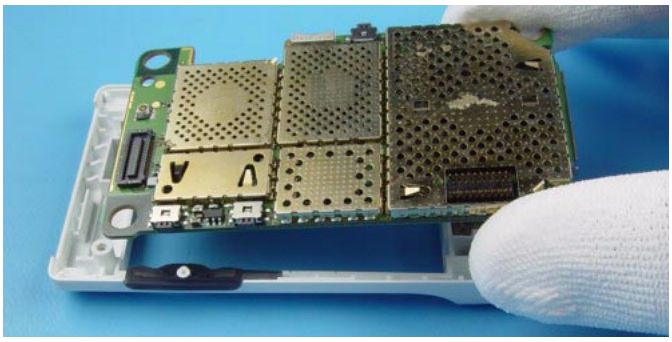
Note that UI-PWB is glued to the Engine Module with a UI-Adhesive. Do not bend the UI-PWB when detaching it from Engine Module.



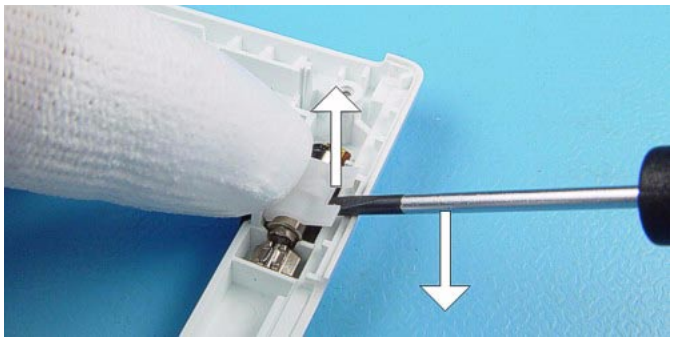
Open the Coax Connector by using tweezers as shown in the picture.



Open the connector carefully before separating the Upper Block



Take the Engine Module away.



To avoid damage to the B-Cover Lower see also video clip on Care Point. Remove the Vibra Retainer by using a slotted screwdriver as a lever.

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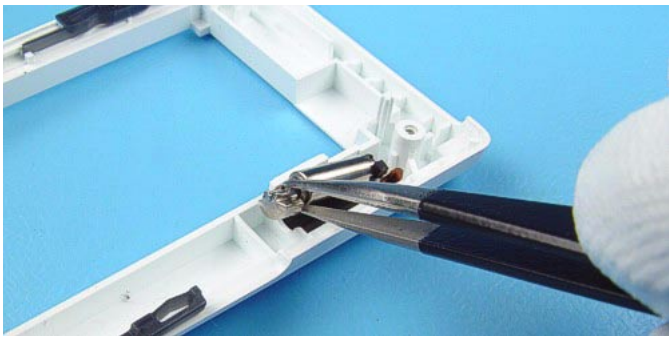
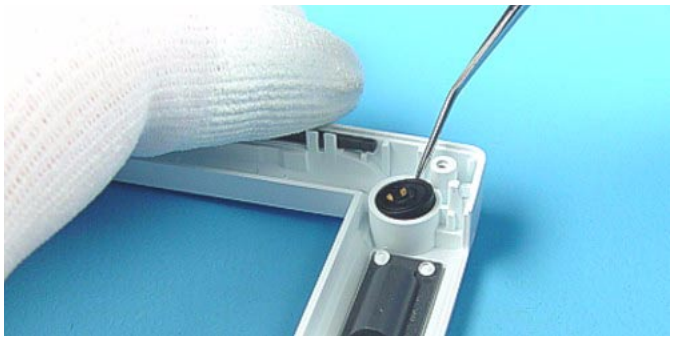
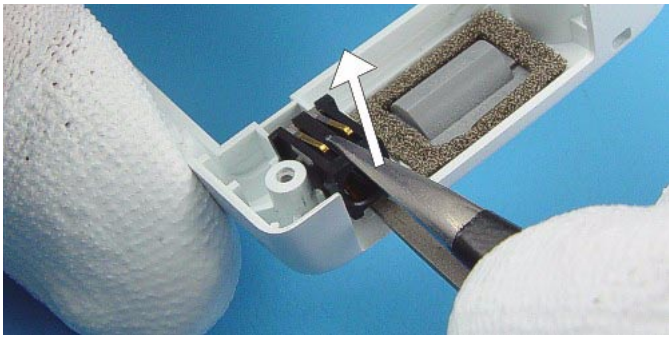


The Vibra Motor can be removed easily. Take care of the right position when assembling.



Take away the Microphone by using the dental tool.



Tweezers can be used to remove the DC-Jack. Be careful not to damage spring contacts.

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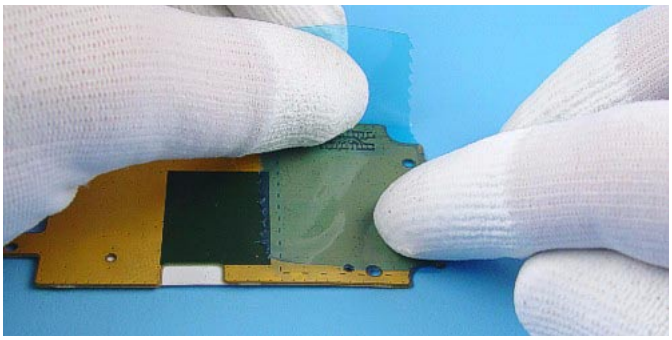
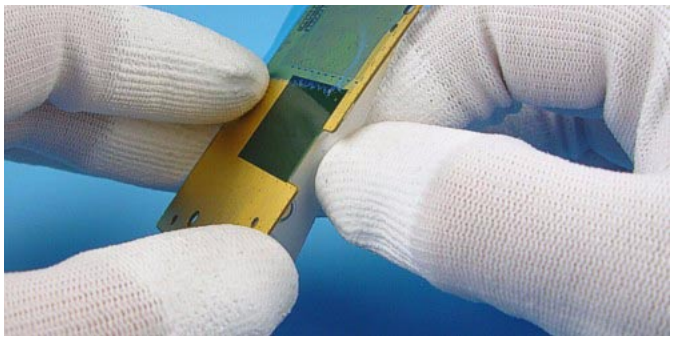
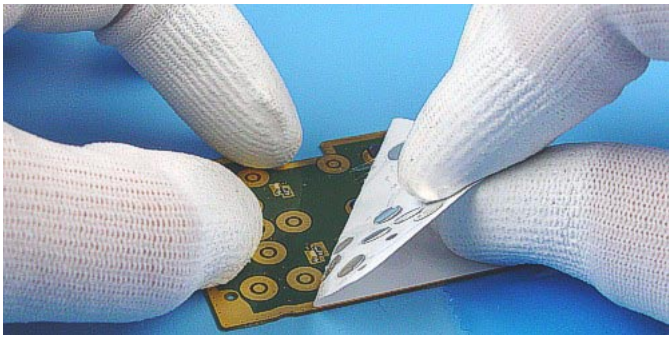
Dome Sheet Assembly



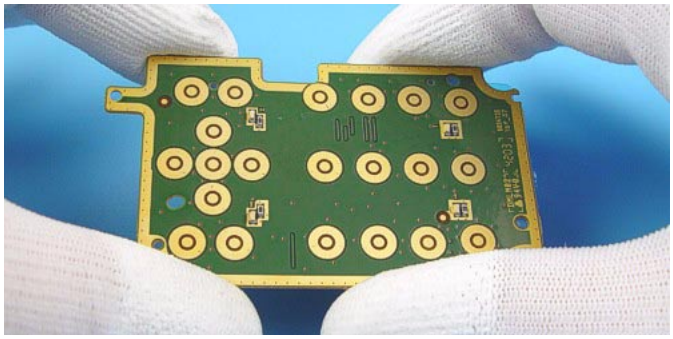
Protect the UI Adhesive.



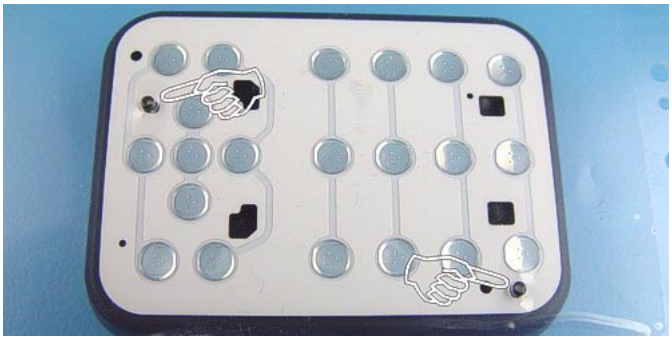
Remove the faulty Domesheet by lifting it up carefully from UI PWB Module.



Take care about LEDs on the UI PWB Module during removal of the Domesheet.



Clean the pads on the PWB Module with a clean cloth if necessary. Be carefully not damage the components on the PWB.



Put the new Domesheet onto the Domesheet Assembly Jig. Mind the guiding pins.

Remove the protection film. Tweezers can be used for retaining the Domesheet.

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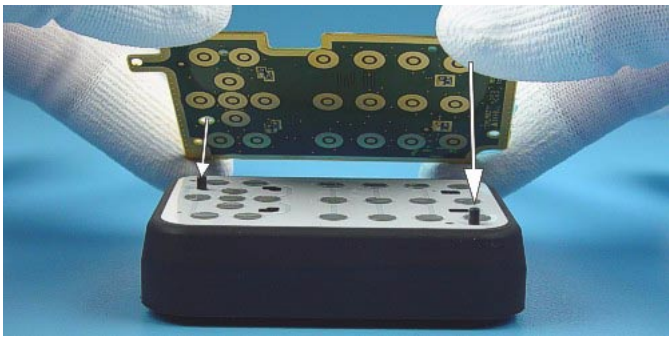
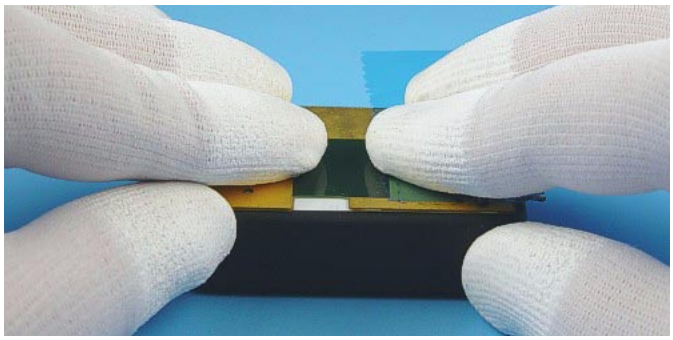
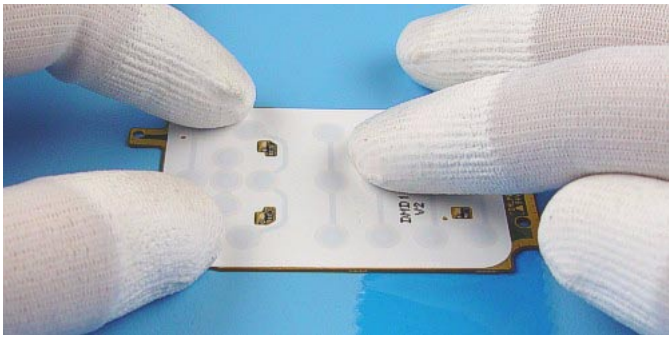


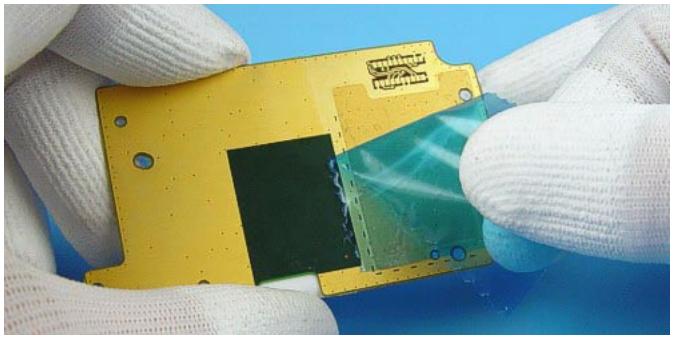
Arrows point to the correct assembly position. Put the UI PWB Module onto the Domesheet Assembly Jig carefully.



Press on PWB Module after checking that all guiding pins are positioned correctly.



Finally check that the holes of the Domesheet are centered to the UI PWB module holes. Ensure also, that there are no bubbles in Domesheet film.



Remove the protection film from UI PWB Module.

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